

Converting Colors

$Y_{xy}(17.4007, 0.6104, 0.3439)$

Have a look what the booklet for
Yxy(17.4007, 0.6104, 0.3439)
contains.

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Color

Yxy(17.4489, 0.6103, 0.3441)

Conversions

Conversions Part 1

Format	Color
Hex	DD2F12
RGB	221, 47, 18
RGB Percent	87%, 18%, 7%
CMY	0.1333, 0.8157, 0.9291
CMYK	0.00, 0.79, 0.92, 0.13
HSL	9°, 85%, 47%
HSV	9°, 92%, 87%
XYZ	30.9476, 17.4489, 2.3123
YIQ	95.7200, 113.0130, 27.8690

Conversions

Conversions Part 2

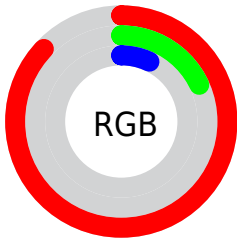
Format	Color
R_{YB}	221, 52, 18
Decimal	14495506
CIE _{Lab}	48.82, 64.58, 56.37
CIE _{LCh}	49, 85.724, 41.119
Yxy	17.4489, 0.6103, 0.3441
Android (android.graphics.Color)	4292685586 (0xFFDD2F12)
YUV	95.7200, -38.3160, 109.8706
Hunter-Lab	41.7719, 59.1447, 25.9583

Details

The Yxy color **17.4489, 0.6103, 0.3441** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **43.0920, 0.2141, 0.2867**, and the grayscale version is **11.7011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4025, 0.5338, 0.3630**, and **7.0679, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.3796, 0.6283, 0.3393**, and if you desaturate by 10%, it is **19.4179, 0.5778, 0.3489**.

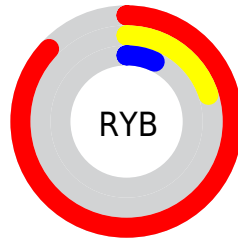
Distribution



Red (87%)

Green (18%)

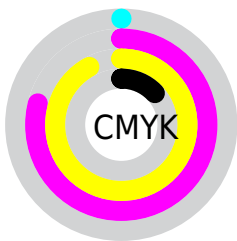
Blue (7%)



Red (87%)

Yellow (20%)

Blue (7%)

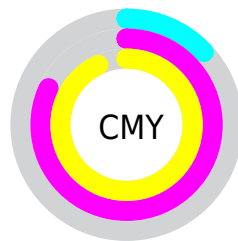


Cyan (0%)

Magenta (79%)

Yellow (92%)

Black (13%)



Cyan (13%)


Magenta (82%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4489, 0.6103, 0.3441 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 17.4489, 0.6103, 0.3441 by changing the saturation by 10% instead.


 17.4489, 0.6103,
0.3441


 17.4489, 0.6103,
0.3441


237.7461, 0.4497,
0.3586


 10.5551, 0.6471,
0.3298


 39.0960, 0.5528,
0.3570


 5.7685, 0.6930,
0.3070

 54.6180, 0.5305,
0.3594


 2.7048, 0.7355,
0.2645

 73.7849, 0.5116,
0.3605

 0.9796, 0.7967,
0.2033

 96.9811, 0.4955,
0.3608


 0.0000, 1.0000,
0.0000


 124.5909, 0.4816,
0.3606


 0.0000, 0.0000,
0.0000

 156.9987, 0.4695,


0.3601


 194.5890, 0.4590,
0.3594


 17.4489, 0.6103,
0.3441


 17.4489, 0.6103,
0.3441


 16.3796, 0.6283,
0.3393

 19.4179, 0.5778,
0.3489

 22.2050, 0.5367,
0.3511

 25.8896, 0.4928,
0.3508

 30.5404, 0.4509,
0.3485

 36.2195, 0.4135,
0.3451

■ 42.9838, 0.3817,
0.3412

■ 50.8859, 0.3552,
0.3372

■ 59.9749, 0.3334,
0.3333

■ 70.2972, 0.3156,
0.3296

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.4489, 0.5557, 0.2655



17.4489, 0.6103, 0.3441



17.4489, 0.5550, 0.4396

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



17.4489, 0.6103, 0.3441



17.4489, 0.1885, 0.5548



17.4489, 0.1413, 0.1251

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



17.4489, 0.6103, 0.3441



43.0920, 0.2141, 0.2867

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



17.4489, 0.0953, 0.1372



17.4489, 0.6103, 0.3441



17.4489, 0.1092, 0.3365

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



17.4489, 0.6103, 0.3441



17.4489, 0.3088, 0.6388



17.4489, 0.0841, 0.1946



17.4489, 0.2382, 0.1444

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



17.4489, 0.6103, 0.3441



17.4489, 0.4828, 0.5172



17.4489, 0.0841, 0.1946



17.4489, 0.1214, 0.1254

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



17.4500, 0.6103, 0.3441



63.1866, 0.3715, 0.3398



19.7018, 0.3545, 0.1756



12.5605, 0.3839, 0.3415



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.4500, 0.6103, 0.3441



22.5420, 0.6292, 0.3386



36.1614, 0.4921, 0.4416



13.3493, 0.3288, 0.3324



9.6127, 0.6264, 0.3409



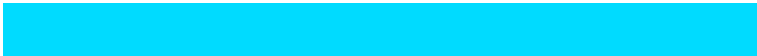
0.7205, 0.5996, 0.3621

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43.0920, 0.2141, 0.2867



57.7097, 0.2117, 0.2822



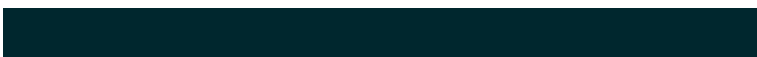
13.0890, 0.1712, 0.1305



14.4968, 0.2982, 0.3256



24.4308, 0.2121, 0.2834



1.6713, 0.2143, 0.2916

Previews

White Background



This preview shows how the Yxy color 17.4489, 0.6103, 0.3441 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.4489, 0.6103, 0.3441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.4489, 0.6103, 0.3441

Background



This preview shows how black text looks on a background with the Yxy color 17.4489, 0.6103, 0.3441.



This preview shows how white text looks on a background with the Yxy color 17.4489, 0.6103, 0.3441.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

17.4489, 0.6103, 0.3441

Protanopia

17.6692, 0.4234, 0.4668

Deuteranopia

17.5719, 0.4694, 0.4655



Tritanopia

17.3554, 0.5924, 0.3298

Trichromacy



Original Color

17.4489, 0.6103, 0.3441

Protanomaly

15.6355, 0.5074, 0.4098

Deuteranomaly

15.9935, 0.5359, 0.4084

Tritanomaly

17.3703, 0.6004, 0.3357

Monochromacy



Original Color

17.4489, 0.6103, 0.3441

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.5289, 0.4444, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4489, 0.6103, 0.3441 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(221, 47, 18)` looks like.

```
.text, #text, p{  
    color:rgb(221, 47, 18)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(221, 47, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 47, 18) }
```

Border

The CSS property to change the border of an element to Yxy 17.4489, 0.6103, 0.3441 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(221, 47, 18) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(221, 47, 18) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(221, 47, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 47, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 47, 18);  
box-shadow:4px 4px 4px 4px rgb(221, 47,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4489, 0.6103, 0.3441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 47, 18) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(221, 47,  
18) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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